

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for RESIN

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abelmoschus moschatus</i>	Seed		65000.0	-0.4413089361281032	Wealth of India.
<i>Abies balsamea</i>	Gum				--
<i>Acalypha indica</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Achillea millefolium</i>	Plant		6000.0	-0.8622069963910537	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Acorus calamus</i>	Plant				--
<i>Acorus calamus</i>	Rhizome		25000.0	-1.3821894809301767	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
<i>Actaea racemosa</i>	Root				--
<i>Agathosma betulina</i>	Leaf		50000.0	-0.27511406022450346	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Aloe vera</i>	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Alpinia galanga</i>	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Anaphalis margaritacea</i>	Plant				--
<i>Andira inermis</i>	Bark				--
<i>Anemone pulsatilla</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Annona squamosa</i>	Plant				--
<i>Annona muricata</i>	Plant				--
<i>Apocynum cannabinum</i>	Plant				--
<i>Areca catechu</i>	Seed				--
<i>Argemone mexicana</i>	Plant		17500.0	-0.7908535804151542	--
<i>Arundo donax</i>	Stem				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Azadirachta indica	Seed				--
Baptisia tinctoria	Plant				--
Barosma betulina	Leaf		50000.0	-0.27511406022450346	--
Berberis vulgaris	Plant				--
Borago officinalis	Plant				--
Boswellia sacra	Latex Exudate	600000.0	700000.0	0.898643077437173	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Bursera simaruba	Plant				--
Bursera delpechiana	Wood				--
Calendula officinalis	Flower		34000.0		--
Canarium indicum	Gum				--
Carica papaya	Latex Exudate		28000.0	-1.5290479699508885	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Catharanthus roseus	Root Bark		20000.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Caulophyllum thalictroides	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceiba pentandra	Leaf				--
Centella asiatica	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Chamaesyce hypericifolia	Plant				--
Chimaphila umbellata	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cimicifuga racemosa	Root				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cinchona spp	Bark				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Commiphora myrrha	Resin, Exudate, Sap	200000.0	400000.0		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Copaifera spp	Gum	60000.0	540000.0	-1.0	--
Coriaria myrtifolia	Leaf				--
Cornus florida	Bark				--
Croton lechleri	Plant				Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Croton tiglium	Seed	10000.0	34000.0	-1.0927649846981604	--
Croton eluteria	Bark		150000.0	1.5611825290618342	--
Cryptostegia grandifolia	Seed		175000.0	1.8703093007333897	--
Cuminum cyminum	Fruit				--
Cuminum cyminum	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Curcuma longa	Rhizome				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Curcuma zedoaria	Rhizome				Chemical Constituents of Oriental Herbs (3 diff. books)
Cyperus rotundus	Root		42100.0	0.6735167045095913	--
Daemonorops draco	Fruit				--
Dodonaea viscosa	Leaf		66400.0	0.5279697013369913	--
Echinacea purpurea	Root	5020.0	20000.0	-1.1686515095574843	--
Eleutherococcus senticosus	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ephedra nevadensis</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eriodictyon californicum</i>	Leaf	8800.0	80000.0	1.1939416011684747	--
<i>Eucommia ulmoides</i>	Bark		70000.0	0.15391940427370196	Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Eupatorium perfoliatum</i>	Plant				--
<i>Euphorbia hirta</i>	Plant				--
<i>Euphorbia tirucalli</i>	Latex Exudate				--
<i>Ferula sumbul</i>	Plant		170000.0	0.15535476187394828	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ferula assa-foetida</i>	Plant	400000.0	640000.0	3.071537849584625	Tucker, A. O. and Debaggio, T. 2000. The Big Book of Herbs. Interweave Press, Inc. Loveland, CO. 688 pp.
<i>Ficus carica</i>	Leaf		22000.0	-1.6462326775246163	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
<i>Frangula purshiana</i>	Plant				--
<i>Garcinia hanburyi</i>	Plant				--
<i>Geranium maculatum</i>	Plant				--
<i>Glechoma hederacea</i>	Plant				Jim Duke's personal files.
<i>Glycyrrhiza glabra</i>	Plant				--
<i>Grindelia squarrosa</i>	Plant		200000.0	0.341494107898034	--
<i>Guaiacum sp.</i>	Wood		200000.0	1.3151310801121845	--
<i>Guarea rusbyi</i>	Bark		23000.0	-0.6728476815393257	--
<i>Haematoxylum campechianum</i>	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Hedera helix</i>	Plant				--
<i>Hemidesmus indicus</i>	Root				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hibiscus sabdariffa</i>	Calyx				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Holarrhena pubescens</i>	Bark		2000.0	-1.0422542517962106	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Hydrangea arborescens</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Hydrastis canadensis</i>	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Hyoscyamus niger</i>	Seed				--
<i>Hyssopus officinalis</i>	Plant				--
<i>Ilex paraguariensis</i>	Leaf		48000.0	-0.37305110431736865	--
<i>Inula helenium</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ipomoea purga</i>	Tuber	100000.0	200000.0		--
<i>Iris versicolor</i>	Rhizome				--
<i>Iris x germanica</i>	Rhizome				--
<i>Jasminum officinale</i>	Leaf				--
<i>Juniperus communis</i>	Fruit	80000.0	100000.0	0.5011700816956098	--
<i>Lactuca scariola</i>	Latex Exudate				--
<i>Lagochilus inebrians</i>	Plant	30000.0	90000.0	-0.34101682752361356	--
<i>Larrea tridentata</i>	Plant	49350.0	200000.0	0.341494107898034	--
<i>Lawsonia inermis</i>	Leaf	20000.0	30000.0	-1.2544845011531556	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Leonotis leonurus</i>	Plant		198000.0	0.329084818163095	--
<i>Leonurus cardiaca</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Levisticum officinale</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ligustrum vulgare</i>	Bark				--
<i>Lindera benzoin</i>	Plant				--
<i>Lobelia inflata</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Lycopus europaeus</i>	Plant		29000.0	-0.7195001644392546	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Maclura pomifera</i>	Fruit	166640.0	216900.0	2.002753572944224	Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Mahonia aquifolium</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Manilkara zapota</i>	Latex Exudate		380000.0	-0.25740027846190383	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Marrubium vulgare</i>	Plant				--
<i>Melia azedarach</i>	Plant				--
<i>Mentha arvensis var. piperascens</i>	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Mirabilis jalapa</i>	Root		30000.0	-0.3350912316990789	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Myrica cerifera</i>	Bark				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Myroxylon balsamum</i>	Gum				--
<i>Myrtus communis</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Nigella sativa</i>	Seed				--
<i>Oenanthe aquatica</i>	Fruit		40000.0	-0.26953145359024877	--
<i>Oenothera biennis</i>	Plant				--
<i>Ononis spinosa</i>	Plant				--
<i>Opopanax chironium</i>	Plant		190000.0	0.2794476592233388	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Opopanax chironium</i>	Hh		190000.0		--
<i>Panax quinquefolius</i>	Plant				--
<i>Paullinia cupana</i>	Seed		70000.0	-0.33623537990712626	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Peucedanum ostruthium</i>	Plant				--
<i>Peumus boldus</i>	Plant				--
<i>Peumus boldus</i>	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Physalis peruviana</i>	Fruit		2000.0	-0.757642425937959	--
<i>Physalis alkekengi</i>	Fruit		2000.0	-0.757642425937959	--
<i>Phytolacca americana</i>	Root				--
<i>Piper nigrum</i>	Fruit		5000.0	-0.7191073491736661	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Piper methysticum</i>	Root		53000.0	1.582097407375253	Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
<i>Piper angustifolium</i>	Leaf				--
<i>Pistacia vera</i>	Plant				--
<i>Plantago major</i>	Plant				--
<i>Podophyllum hexandrum</i>	Rhizome	60000.0	200000.0	0.4319342127906797	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Podophyllum hexandrum</i>	Leaf	78000.0	97000.0	2.026406475957829	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Podophyllum peltatum</i>	Plant	30000.0	60000.0	-0.5271561735476993	--
<i>Polygala tenuifolia</i>	Root				--
<i>Polypodium vulgare</i>	Rhizome				--
<i>Populus nigra</i>	Plant				--
<i>Portulaca oleracea</i>	Plant		24000.0	-0.7505233887766023	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Prunella vulgaris</i>	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Prunus serotina</i>	Stem Bark				--
<i>Psoralea corylifolia</i>	Seed		86000.0	0.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pterocarpus marsupium</i>	Wood		9000.0	-1.1079239324417767	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Quercus robur</i>	Bark				--
<i>Quercus alba</i>	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rheum officinale</i>	Root				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Robinia pseudoacacia</i>	Bark				--
<i>Rosa centifolia</i>	Flower				--
<i>Rosa gallica</i>	Flower				--
<i>Rumex hymenosepalus</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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<i>Ruscus aculeatus</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Salix alba</i>	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Salvia officinalis</i>	Plant	50000.0	60000.0	-0.5271561735476993	--
<i>Sambucus nigra</i>	Leaf		43400.0	-0.5983063057309587	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Sambucus canadensis</i>	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sanguinaria canadensis</i>	Plant				--
<i>Sanguisorba minor</i>	Plant				--
<i>Santalum album</i>	Wood	50000.0	80000.0	-0.2072071476704087	--
<i>Santolina chamaecyparissus</i>	Plant				--
<i>Sassafras albidum</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Satureja hortensis</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Schinus terebinthifolius</i>	Bark				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Scutellaria churchilliana</i>	Plant				--
<i>Scutellaria lateriflora</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Senecio aureus</i>	Plant				--
<i>Simarouba amara</i>	Bark				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Smilax spp	Root		25000.0	-0.7518713706282815	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Smilax china	Root				--
Stillingia sylvatica	Plant				--
Styrax tonkinensis	Gum	700000.0	800000.0	1.0	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Styrax benzoin	Plant				--
Swertia chirata	Plant				--
Sympythium officinale	Root				--
Symplocarpus foetidus	Plant				--
Syzygium aromaticum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Taraxacum officinale	Root				--
Teucrium marum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thevetia peruviana	Latex Exudate	674000.0	697000.0	0.8878051709756192	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thuja occidentalis	Branches				--
Thymus vulgaris	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Trifolium pratense	Plant				--
Turnera diffusa	Branches		65000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Turnera diffusa	Leaf	13650.0	65000.0	0.45941377047198567	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Valeriana officinalis</i>	Root				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
<i>Vanilla planifolia</i>	Fruit				ANON. 1948-1976. <i>The Wealth of India raw materials</i> . Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Veratrum album</i>	Rhizome		250000.0	0.9502552681394958	--
<i>Veronica officinalis</i>	Plant				--
<i>Viburnum prunifolium</i>	Root Bark				Leung, A.Y., <i>Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics</i> , John Wiley & Sons, New York, 1980.
<i>Viscum album</i>	Plant				--
<i>Xylopia aethiopica</i>	Fruit				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Zanthoxylum americanum</i>	Plant				--
<i>Zea mays</i>	Silk Stigma Style				Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Zizyphus jujuba</i>	Leaf		60000.0	0.21457116023982262	--